## **NUMTA 2023 Special Session on**

## Data-driven numerical analysis of complex and multiscale dynamical systems

## **Special Session Organizers:**

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This special session is focused on numerical methodologies for the data-driven modelling and analysis of complex and multiscale dynamical systems. Topics of interest include the development and implementation of physics-informed machine learning, manifold learning and numerical analysis methodologies for data and model reduction, the solution of the inverse and forward problem of differential equations, the data-driven control of complex systems based on large-scale data and detailed agent-based simulations.